

## ECS/EMD Configuration Change Request

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1. Originator Henry Baez	2. Log Date: 12/01/2004	3. CCR #: 04-0655	4. Rev:	5. Tel: 301-925-1025	6. Rm #: 3108G	7. Org. COTS HW
8. CCR Title: Release IBM IY58673 Patch for SMC firewall.						
9. Originator Signature/Date Henry Baez /s/ 11/30/2004			10. Class II	11. Type: CCR	12. Need Date: 12/2/2004	
13. CCR Sponsor Signature/Date Pamela Johnson /s/ 11/30/2004			14. Category of Change: Patch/TE		15. Priority: (If "Emergency" fill in Block 27). Routine	
16. Documentation/Drawings Impacted (Review and submit checklist):			17. Schedule Impact:		18. CI(s) Affected:	
19. Release Affected by this Change:		20. Date due to Customer:		21. Estimated Cost: None - Under 100K		
22. Source Reference: <input checked="" type="checkbox"/> NCR (attach) <input type="checkbox"/> Action Item <input type="checkbox"/> Tech Ref. <input type="checkbox"/> GSFC <input type="checkbox"/> Other: 41469						
23. Problem: (use additional Sheets if necessary) The SMC had an error on Oct. 29, "SOFTWARE PROGRAM ABNORMALLY TERMINATED". This produced a core dump. The firewall did not crashed.						
24. Proposed Solution: (use additional sheets if necessary) IBM reports a problem with use of the netstat command in AIX 5.1. IBM says it should not stop or crash the AIX OS. At the same time IBM has put out a fix, IY58637, and highly recommends you install it. IY59637 is a group of updated file sets. This patch was tested in VATC for three weeks and PVC for to two weeks. No problem was found, load test where carried out between PVC and VATC. The file is on lemmings, netstatcore.tar, cksum numbers 2967102334 47349760.						
25. Alternate Solution: (use additional sheets if necessary) None.						
26. Consequences if Change(s) are not approved: (use additional sheets if necessary) IBM says this should not cause a crash or stoppage, not that it will not cause a crash. Additional errors, core files, might cause failure of SMC firewall. SMC firewall is main DNS server for ecs.nasa.gov domain.						
27. Justification for Emergency (If Block 15 is "Emergency"):						
28. Site(s) Affected: <input type="checkbox"/> EDF <input type="checkbox"/> PVC <input type="checkbox"/> VATC <input type="checkbox"/> EDC <input type="checkbox"/> GSFC <input type="checkbox"/> LaRC <input type="checkbox"/> NSIDC <input checked="" type="checkbox"/> SMC <input type="checkbox"/> AK <input type="checkbox"/> JPL <input type="checkbox"/> EOC <input type="checkbox"/> IDG Test Cell <input type="checkbox"/> Other						
29. Board Comments:			30. Work Assigned To:		31. CCR Closed Date:	
32. SCDV CCB Chair (Sign/Date): Byron V. Peters /s/ 12/2/04			Disposition: <span style="border: 1px solid red; color: red;">Approved</span> App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS			
33. EDF CCB Chair (Sign/Date):			Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS			
34. ECS CCB Chair (Sign/Date):			Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ESDIS			

## ADDITIONAL SHEET

**CCR #:** 04-0655      **Rev:**      **Originator:** Henry Baez

**Telephone:** 301-925-1025      **Office:** 3108G

**Title of Change:** IRelease IBM IY58673 Patch for SMC firewall.

For VATC and PVC firewall:

Create a new directory under /tmp. Call it '/tmp/fixes/netcore'. Change directory to /tmp/fixes/netcore.

```
#mkdir /tmp/fixes/netcore <enter>
#cd /tmp/fixes/netcore <enter>
```

The file name is netstatcore.tar and need to check that the file is good with the AIX command cksum as follows:

```
#cksum netstatcore.tar
```

The results are shown below:

```
2967102334 47349760 netstatcore.tar
```

Next un-tar the file as follows:

```
#tar -xvf netstatcore.tar
```

Now type the following command:

```
#inutoc . <enter>
```

This will build the '.toc' file the installation program needs. Start the SMIT program with the following command:

```
#smit <enter>
```

The first menu heading will read:

Software Installation and Maintenance

Click on the box labeled as follows:

Install and Upgrade Software

Click on the box labeled as follows:

Update Installed Software to Latest Level (Update All)

A new menu will pop up. It will display the message/question "INPUT device / directory". Write in the directory path '/tmp/fixes/netcore' where the files are located. Click on 'OK' button.

Next menu will pop up. Take all the defaults. Click on 'OK' button to continue.

A new dialog box will display 'Are You Sure', click on 'OK' button to start installing the file sets. Estimated installation time is less than 15 minutes. You will have to reboot the firewall.